

## **SECTION 1057 -- LOW CARBON STEEL FASTENERS**

### **1057.01 -- Description**

This specification covers requirements applicable to low-carbon steel standard fasteners, non-headed anchor bolts, and the nuts and washers used with each.

### **1057.02 -- Material Characteristics**

1. Bolt threads may be cut or rolled and shall meet the latest ANSI thread tolerances for the specified thread series.
2. All threads shall be full and sound.
3. The specified diameter of the bolt shall be taken to mean the overall diameter of the threads.
4. The diameter of the shank shall in all cases be not less than the root diameter of the thread.
5. Low carbon bolts and nuts shall conform to ASTM A 307 or ASTM F 568.
6. Low carbon washers shall conform to ANSI B 18.22.M or ANSI B 18.22.1.
7. Washers used with low carbon bolts may be plain or hardened.
8. The Contractor may provide either English or metric bolts in accordance with Table 1058.01.

### **1057.03 -- Acceptance Requirements**

Low carbon steel fasteners will be accepted based on requirements of this Section and sampling and testing requirements in accordance with the NDR *Materials Sampling Guide*.